Some further Obſervations of Mr. John Templer, *about the ſhining of Glow-worms* *.

* See Numb. 72. of theſe Tranſ.

I Have now ſent you what my Journal will further afford upon that ſubject, I wrote to you formerly of.

June 1. 71. Upon ſeveral tryalls of different poſitions, I find the Glow-worm not to ſhine ſometimes when in motion, but I could never yet ſee her ſhine, when not in motion of ſome part.

June 8. 1671. after ſome days abſence from home, putting the Glow-worm into an Urinal of white Glaſs at 9 a clock at night, ſhe crawled nimbly in it, and extended her ſelf beyond an ordinary length; yet her ſhining not ſo clear, as in her box when opened: Putting the urinal into the water for about ½ an hour, it gave a very delightful irradiation of the water. When this light ſeemed wholly extinct, although ſhe was in motion, if I depreſſed the urinal into the water, till the bottom almoſt touched the bottom of the baſon, I could (upon looking in at the top of the urinal) ſee a very fair light, but upon lifting the glaſs out of the water, I could diſcern very little ſhining; Then putting her into her box, ſhe did in about a minutes time (for I tryed it twice over by a watch,) almoſt ten times increaſe her former ſhining in the urinal.

June 14. 71. After a ſecond abſence, the worm ſeemed dead, and being ſhut in a box, would give no light through it betwixt 9 and 12 a clock at night; but in the uncovered box, or in the urinal ſhe did ſhine faintly, and the light was of a far different colour from what it was formerly.

June 15. 71. She ſeemed dead. I touched her with a needle gently, whereupon ſhe ſtretched out one of her legs, and by it (when I inclined the poſition of the box) ſhe ſtayed her whole body from falling; whereas before ſhe rowled from one ſide of the box to the other, as I inclined or reclined it. Note, that

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before I pricked her, ſhe did give a little ſhining in her uncovered box, but none through the urinal; only if you looked in at top, a little ſhining was ſeen. Upon pricking her I did not ſee her ſhining encreaſed.

June 16. 71. I diſcerned a little ſhining only within her box; upon pricking I could diſcern no motion in her; but the ſcale next her tayl was ſenſibly *more* extended a $\frac{1}{2}$ of an hour after I pricked her, than before. NB. Theſe laſt three days, ſhe lay continually upon her back with her legs contracted, except only the time mentioned *June* 15 of my pricking her. I am afraid to conclude her dead. *June* 16, having been informed by M. *Th. Hallebeck* of *Cald Newton* near *Meltan Mawbury*, that he kept a glow-worm near 6 months in his parlour window, which would ſometimes ſeem dead for many *days* together (if I miſtake not, he ſaid *weeks*) and afterwards walk and ſhine both. However I ſhould be infinitely obliged to any one for favouring me with the characteriſtick note of a Glow-worm's being dead 24 hours *before* her ſhining ceaſed, that I might know when to conclude one dead in good earneſt; for I am promiſed in a little time ſome ſtock of theſe Inſects, which, I hope, may give the advantage of further and more ſteady obſervations,

An Accompt